

CLAIMS

1. A discrimination medium comprising:
a cholesteric liquid crystal layer having a circular polarization light selectivity of reflecting predetermined circularly polarized light; and
a multilayer film having plural light transparent films which are laminated and are different from each other in refraction index.
2. A discrimination medium according to claim 1, wherein when the discrimination medium is viewed at a predetermined angle, a first reflection light reflected by the cholesteric liquid crystal layer and a second reflection light reflected by the multilayer film are approximately equal to each other in color,
the first reflection light is circularly polarized light having a predetermined center wavelength and a predetermined polarization direction, and
the second reflection light includes circularly polarized light having a circularly polarized direction opposite to that of the first reflection light.
3. A discrimination medium according to claim 1, wherein when the discrimination medium is viewed at a predetermined angle, a first reflection light reflected by the cholesteric liquid crystal layer and a second reflection light reflected by the multilayer film are different from each other in color,
the first reflection light is circularly polarized light having a predetermined center wavelength and a predetermined circular polarization

direction, and

the second reflection light includes circularly polarized light having a circular polarization direction opposite to that of the first reflection light, circularly polarized light having the same circular polarization direction as that of the first reflection light, and linearly polarized light.

4. A discrimination medium according to one of claims 1 to 3, wherein the discrimination medium further comprises a figure provided to at least a portion of one of the cholesteric liquid crystal layer and the multilayer film.
5. A discrimination medium according to one of claims 1 to 4, wherein at least a portion of at least one of the cholesteric liquid crystal layer and the multilayer film is subjected to hologram working or embossing.
6. A discrimination medium according to one of claims 1 to 5, wherein the discrimination medium further comprising:
an interlayer peeling structure or a peeling breaking structure.
7. An article to be discriminated comprising:
the discrimination medium according to one of claims 1 to 6.
8. A discrimination method for discriminating a discrimination medium, the discrimination medium comprising:
a cholesteric liquid crystal layer having a circularly polarized light

selectivity of reflecting predetermined circularly polarized light; and
a multilayer film having plural light transparent films which are laminated and are different from each other in refraction index,
the discrimination method comprising:
an optical filter allowing a predetermined circularly polarized light to selectively pass therethrough,
wherein the discrimination medium is viewed via the optical filter.

9. A discrimination method for discriminating a discrimination medium,
the discrimination medium comprising:
a cholesteric liquid crystal layer having a circularly polarized light selectivity of reflecting predetermined circularly polarized light; and
a multilayer film having plural light transparent films which are laminated and are different from each other in refraction index,
wherein predetermined circularly polarized light is irradiated on the discrimination medium, and reflection light reflected by the discrimination medium is viewed.

10. A discrimination apparatus for discriminating a discrimination medium,
the discrimination medium comprising:
a cholesteric liquid crystal layer having a circularly polarized light selectivity of reflecting predetermined circularly polarized light; and
a multilayer film having plural light transparent films which are laminated and are different from each other in refraction index,

the discrimination apparatus comprising:

an optical filter allowing predetermined circularly polarized light to selectively pass therethrough; and

a detector detecting light which passes through the optical filter.

11. A discrimination apparatus for discriminating a discrimination medium, the discrimination medium comprising:

a cholesteric liquid crystal layer having a circularly polarized light selectivity of reflecting predetermined circularly polarized light; and

a multilayer film having plural light transparent films which are laminated and are different from each other in refraction index,

the discrimination apparatus comprising:

a light irradiation device irradiating predetermined circularly polarized light on the discrimination medium; and

a detector detecting reflection light which is reflected by the discrimination medium.